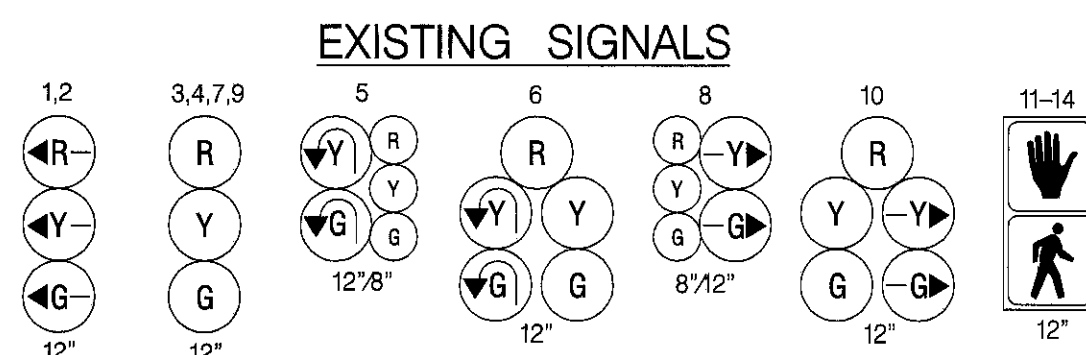


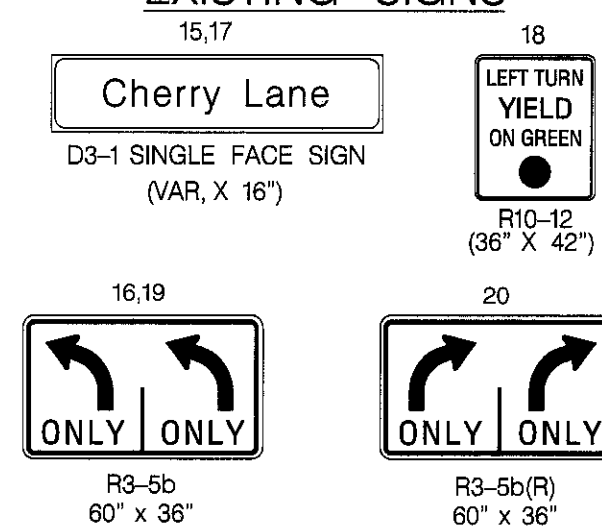
MD 197 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

GENERAL NOTES

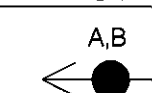
1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. INSTALL 4-CONDUCTOR OPTICOM CABLE FROM THE PROPOSED OPTICOM DETECTOR EYES, ALONG THE SPAN WIRE, DOWN THE POLE, THROUGH THE EXISTING CONDUIT TO THE BASE MOUNTED CABINET.
3. THE QUANTITIES SHOWN ON THIS SHEET ARE FOR THIS INTERSECTION ONLY. QUANTITIES FOR THE ENTIRE PROJECT ARE SUMMARIZED ON THE GENERAL INFORMATION SHEET.
4. INSTALL PRESENCE DETECTORS 1 FT. BEHIND STOPBAR.



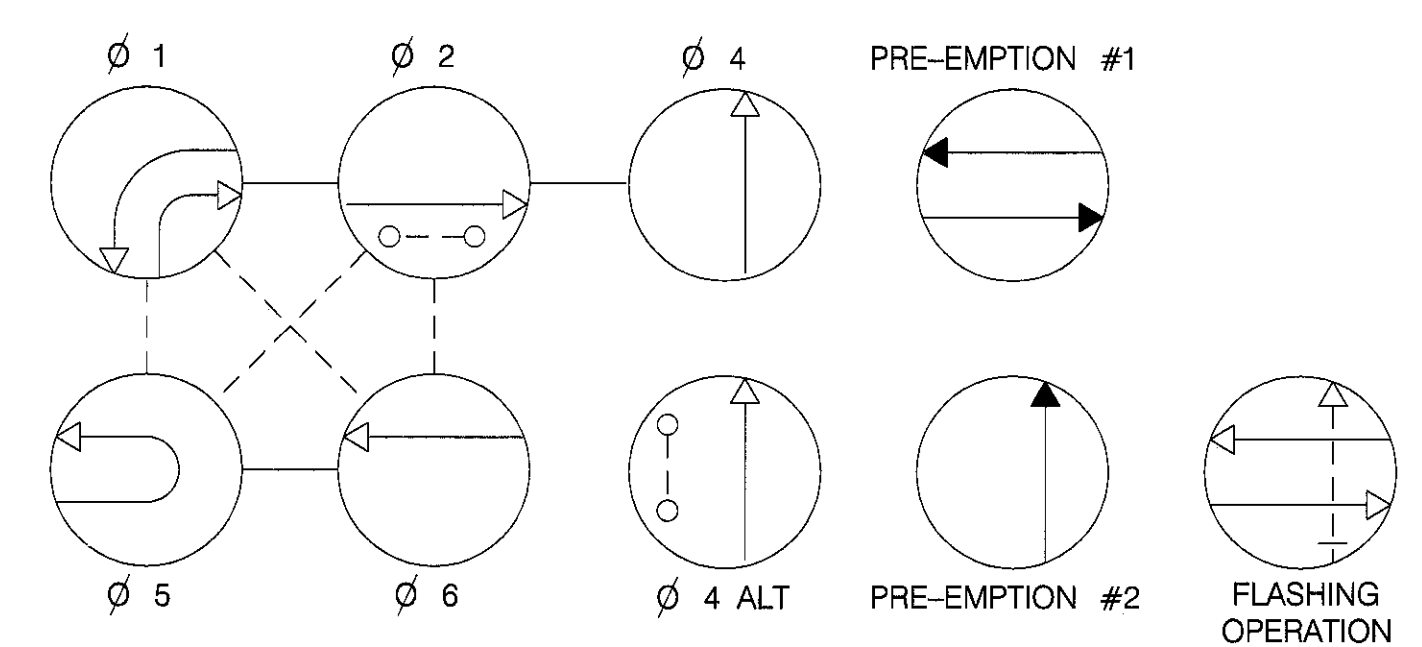
EXISTING SIGNS



PROPOSED OPTICOM EYES

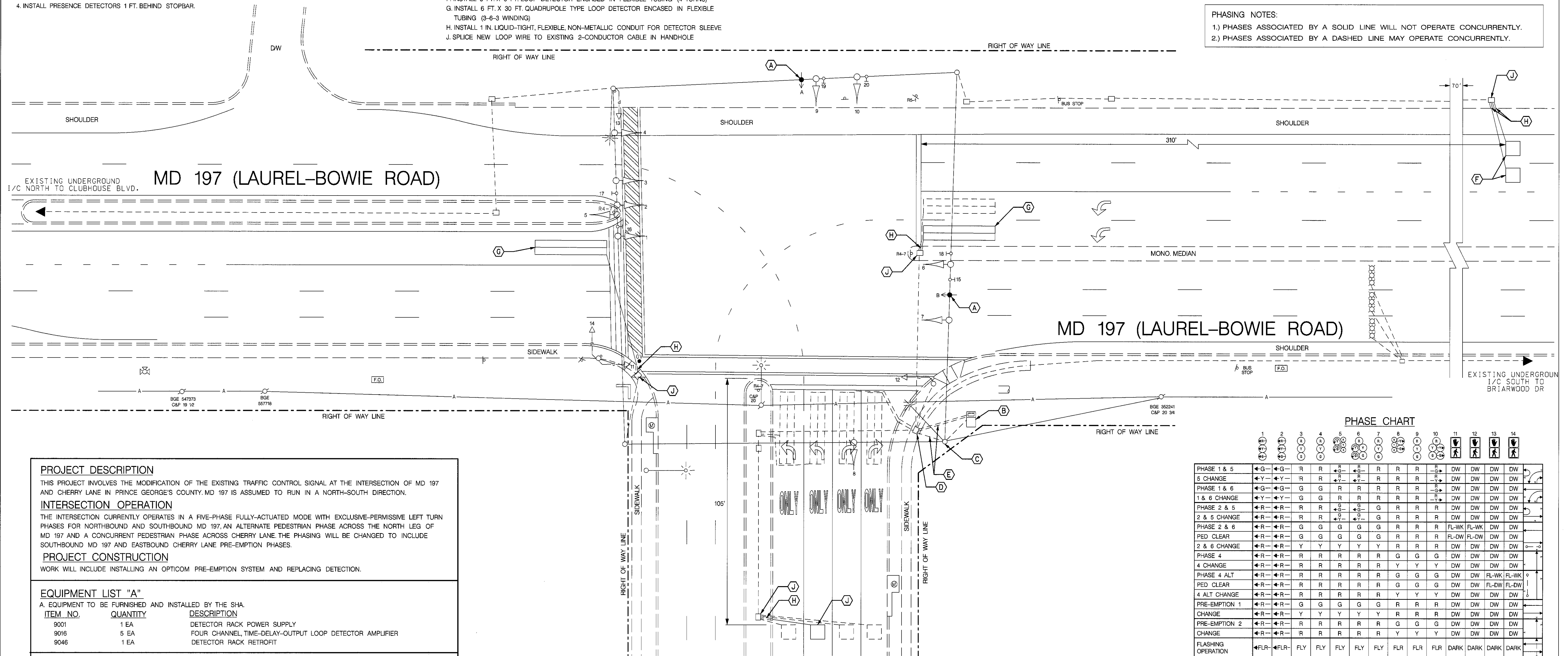


NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 197 AND CHERRY LANE IN PRINCE GEORGE'S COUNTY. MD 197 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A FIVE-PHASE FULLY-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR NORTHBOUND AND SOUTHBOUND MD 197, AN ALTERNATE PEDESTRIAN PHASE ACROSS THE NORTH LEG OF MD 197 AND A CONCURRENT PEDESTRIAN PHASE ACROSS CHERRY LANE. THE PHASING WILL BE CHANGED TO INCLUDE SOUTHBOUND MD 197 AND EASTBOUND CHERRY LANE PRE-EMPTION PHASES.

PROJECT CONSTRUCTION

WORK WILL INCLUDE INSTALLING AN OPTICOM PRE-EMPTION SYSTEM AND REPLACING DETECTION.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9001	1 EA	DETECTOR RACK POWER SUPPLY
9016	5 EA	FOUR CHANNEL TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER
9046	1 EA	DETECTOR RACK RETROFIT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
8045	30 LF	FURNISH AND INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8059	1 EA	FURNISH AND INSTALL DISCRIMINATION MODULE, 4 CHANNEL, NO. 76
8061	2 EA	FURNISH AND INSTALL OPTICOM NO. 721 DETECTOR EYE
8079	460 LF	FURNISH AND INSTALL 4-CONDUCTOR OPTICOM CABLE
8088	1370 LF	FURNISH AND INSTALL LOOP WIRE IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8089	390 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	_____ A
ELECTRICAL	_____ E
TELEPHONE	_____ T
GAS	_____ G
SEWER	_____ S
WATER	_____ W
CABLE TV	_____ TV

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM

REVISIONS

NO.	DESCRIPTION	DATE
(E)	INSTALL OPTICOM PRE-EMPTION	9-23-2004
1	INSTALL OPTICOM PRE-EMPTION	9-23-2004
2	DETECTOR REPLACEMENT DUE TO ROAD RESURFACING	11-3-03
3	RELOCATE SIGNAL EQUIPMENT DUE TO GEOMETRIC IMPROVEMENTS	9-15-88
4	ASBUILT AND ADDED EP RT TO S.B. CHERRY LANE	4-12-84

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	_____
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	_____
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	_____
DIRECTOR, OFFICE OF TRAFFIC & SAFETY	_____

SHA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
MD 197 AND CHERRY LANE

DRAWN BY: HOWARD J. KILLIAN	F.A.P. NO. NA	TS NO. 1884 E	SHEET NO.
CHECKED BY: HOWARD J. KILLIAN	S.H.A. NO. P 764-501-385	T.I.M.S. NO. G492	5 OF 11
SCALE: 1" = 20'	COUNTY: PRINCE GEORGES		
DATE: 10-13-82	LOG MILE: 16019714.18		